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3. SEMATOPHYLLUM NOVAE-CESAREAE (Aust.).
Hypnum micans Wils. Hook. Brit. Fl. 2: 86. 1833, non Sw. 1829.
Hypnum Novae-Cesareae Aust. Musci App. no. 440. 1870.
Raphidostegium Novae-Cesareae Ren. & Card, Musci Am. Sept. 54. 1893.
4. SEMATOPHYLLUM TENUIROSTRIS (Br. & Sch.).
Leskeatenuirostris Br. & Sch. Gray Man. Ed. I. 668. 1848.
Hypnum cylindricarpum CM. Syn. Musc. 2: 308. 1851.
Raphidostegium cylindricarpum Jaeg. & Sauerb. Adumb. 401. 1877.
5. SEMATOPHYLLUM CAROLINIANUM (CM.).
Hypnum Carolinianum CM. Syn. Musc. 2: 327. 1851.
Raphidostegium Carolinianum Jaeg. & Sauerb. Adumb. 388. 1877.
Hypnum demissum Br. & Sch. Br. Eu. 1852, not Wilson.
Hypnum demissum var. *Carolinianum* Sull. & Lesq. Musci bor. Am. no. 298. 1856. no. 441. 1865.
6. SEMATOPHYLLUM MARYLANDICUM (CM.).
Hypnum Marylandicum CM. Syn. Musc. 2: 328. 1851.
Raphidostegium Marylandicum Jaeg. & Sauerb. 388. 1877.
Hypnum demissum var. *Marylandicum* Sull. & Lesq. Musci bor. Am. no. 298, b. 1856. no. 442. 1865. Lesq. & Jas. Man. 356. 1884.
7. SEMATOPHYLLUM DELICATULUM (James.)
Rhynchostegium delicatulum James Sull. Icon. Suppl. 93, t. 69. 1874.
Hypnum laxepatulum Lesq. & Jas. Man. 358. 1884.
Rhaphidostegium laxepatulum, Ren. & Card. Musci Am. Sept. 55. 1893.
Raphidostegium delicatulum Paris Index Bryol. 1092. 1894.
Raphidostegium Whitei Kindb. Bryin. Eu. & Am. 1: 63. 1897.
Isopterygium delicatulum Jaeg. & Sauerb. Adumb. 438. 1877.
8. SEMATOPHYLLUM ROELLII (Ren. & Card.).
Raphidostegium Roellii (Ren. & Card.) Bot. Cent. 44: 423. 1890.
Hypnum Roellii Mac. Can. Mosses no. 444.
Hypnum Jamesii (Sull.) Lesq. & Jas. is a true *Hypnum* of the *Stereodon* section, related to and probably the same as *H. pallescens* (Hedw.) Br. & Sch. But there is still some doubt as the synonymy of this species as will be seen in the diverse usage between Limpricht and Kindberg.
Raphidostegium subadnatum CM. & Kindb. equals *H. reptile*, Michx.
Raphidostegium pseudo-recurvans Kindb. equals *H. circinnale*, Hook.
Raphidostegium subdemissum Kindb. was described from sterile specimens from Alaska, which do not belong to this genus.

NOTE ON A LONG ISLAND MOSS.

By E. G. BRITTON.

In the April number of Torrey, Dr. A. J. Grout has listed "*Raphidostegium admistum* (Sull.) from peaty soil near swamp at Jamaica." The name was printed in heavy faced type and intended to be a new combination, but this combination had already been made by Kindberg, (Bryin. Eu. & N. A. I: 64. 1897) and also by Renauld and Cardot in 1900 in Heller's Plants of Porto Rico, (nos. 4356 and 4496.). Dr. Grout has furnished me with

specimens from Long Island, which have been compared with *H. admistum* Sull. (C. Wright, Cuban Mosses no. 121). They are quite unlike, and the Long Id. species seems to be referable to one of the smaller *Plagiotheciaceæ*, on account of the absence of the large inflated, alar cells of the leaves, so characteristic of *Raphidostegium*. They apparently agree with no. 429 Austin's Musci Appalachiani from swampy bog near Closter, N. J., Sept. 1865.

According to my understanding of this species it is referable to *Isopterygium*, Mitt. and the synonymy is as follows:

ISOPTERYGIUM MICANS (Sw.).

Hypnum micans Sw. Adnot. Bot. 175. 1829.

Hypnum micans Sw. Muhl. Cat. 100, 1813. Nomen nudum.

Hypnum albulum CM. Syn. Musc. 2:280. 1851.

Hypnum (Raphidostegium) albulum Sull. Mosses U. S. 671. 1856.

Hypnum albulum CM. Sull. Icon. Musc. 179, t. 112. 1864.

Rhynchostegium micans, Aust Bot. Gaz. 1: 30. 1875.

Rhynchostegium micans Sull. Rau. & Herv. Cat. 45, 1880.

Isopterygium albulum, Jaeg. Adumb. 436. 1876-1877.

Raphidostegium micans Ren. & Card. Musc. Am. Sept. 54. 1893.

Raphidostegium albulum (CM.) Br. & Sch. Sull. & Lesq. Musci bor. Am. 302. 1856.

As Sullivan and Lesquereux issued their labels for the Musci Boreali Americani in book form, this last citation constitutes publication.

I have not seen types of either *H. niveans* Sw. or *H. albulum* C. M.

[This species has since been collected at Lawrence, L. Id., on rotten wood in wooded swamps. Det. G. N. Best.—A. J. G.]

CURRENT LITERATURE.

In the Bulletin of the New York Botanical Gardens, No. 6, May 27, 1901, Mr. R. S. Williams presents an enumeration of the mosses collected by him in Yukon territory in 1898-99. This list is very interesting, both from the number of species and the extension of range as well as from the number of new species described. Our space, however, will permit our reprinting only the species new to North America and those of special interest for other reasons. These are reprinted verbatim. Judging from Mr. Williams' work on Brachythecium as noted in the last BRYOLOGIST he is somewhat liberal in his views as to what constitutes a new species; otherwise his work seems wholly commendable and is presented in a clear, careful manner.

A. J. G.

Andreaea petrophila acuminata Schimp. Lake Lindeman. All the specimens examined seemed to be dioicous. The papillæ vary greatly on different leaves, often being very prominent on young leaves and scarcely visible on old specimens (523).

Andreaea petrophila parvifolia (Muell.) Sheep camp, Dyea Creek. These specimens are from the original locality of *parvifolia* and agree with a bit of the original collection from Herb. Mueller. They differ from *petro-*